

PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 16647-WO-03	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/IL2004/000961	International filing date (day/month/year) 21/10/2004	(Earliest) Priority Date (day/month/year) 22/10/2003
Applicant ENZYMOTEC LTD.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

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International Application No
PCT/IL2004/000961

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61P19/10 A23L1/29 A23D9/00 C11C3/10 A23C11/00 A23L1/30		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols): IPC 7 A23L A23D C11C A23C A61K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, EMBASE, BIOSIS, FSTA, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 15 November 1997 (1997-11-15), CADOGAN J ET AL: "Milk intake and bone mineral acquisition in adolescent girls: randomised, controlled intervention trial." XP002315046 Database accession no. NLM9390050 abstract	1-7,9, 10,12-15
A	----- -/--	8
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
* Special categories of cited documents :		
<div style="display: flex;"> <div style="flex: 1;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*Z* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">28 January 2005</div>		Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">15/02/2005</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center; font-weight: bold;">Groh, B</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; October 2003 (2003-10), VOLEK JEFF S ET AL: "Increasing fluid milk favorably affects bone mineral density responses to resistance training in adolescent boys." XP002315047 Database accession no. NLM14520257	1-7,9, 10,12-15
A	abstract	8
X	----- DATABASE EMBASE 'Online! ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL; 2000, GUEGUEN L: "Calcium balance: Requirements, intake and bioavailability" XP002315048 Database accession no. EMB-2000369954	1-10, 12-15
X	abstract	
X	----- DATABASE EMBASE 'Online! ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL; 1 September 2003 (2003-09-01), SCHOLZ-AHRENS K E: "Nutrients of milk and their relevance for health" XP002315049 Database accession no. EMB-2003380690	1-10, 12-15
X	abstract	
X	----- EP 1 252 824 A2 (ABBOTT LABORATORIES) 30 October 2002 (2002-10-30) claims 1,9	1-3,5,9, 10,12-15
X	----- US 5 709 888 A (GIL ET AL) 20 January 1998 (1998-01-20) claim 19	1-5,9, 10,12-15
X	----- DATABASE FSTA 'Online! INTERNATIONAL FOOD INFORMATION SERVICE (IFIS), FRANKFURT-MAIN, DE; 1996, ANONYMOUS: "Betapol, a breakthrough in infant formula fats." XP002315600 Database accession no. 96-1-08-n0030	1-6, 12-15
X	abstract	
X	----- "Enzymotec launches InFat - perfect fat for infant formulas" 'Online! 4 July 2003 (2003-07-04), XP002315599 Retrieved from the Internet: URL:www.foodingredientsfirst.com/newsmaker > 'retrieved on 2005-01-27! published on July 4, 2003 page 1 - page 2	1-15
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1996, CARNIELLI VIRGILIO P ET AL: "Structural position and amount of palmitic acid in infant formulas: Effects on fat, fatty acid, and mineral balance" XP002315050 Database accession no. PREV199799383168 cited in the application abstract</p> <p>-----</p>	1-15
A	<p>DATABASE FSTA 'Online! INTERNATIONAL FOOD INFORMATION SERVICE (IFIS), FRANKFURT-MAIN, DE; 1999, KENNEDY K ET AL: "Double-blind, randomized trial of a synthetic triacylglycerol in formula-fed term infants: effects on stool biochemistry, stool characteristics, and bone mineralization." XP002315051 Database accession no. 2000-00-g0249 abstract</p> <p>-----</p>	
A	<p>EP 1 062 873 A1 (N.V. NUTRICIA) 27 December 2000 (2000-12-27) claims 1,2</p> <p>-----</p>	1-10, 12-15
A	<p>DATABASE EMBASE 'Online! ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL; 1979, JENNESS R: "The composition of human milk" XP002315052 Database accession no. EMB-1979225226 abstract</p> <p>-----</p>	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2004/000961

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1252824	A2	30-10-2002	BR 0201023 A	14-01-2003
			CA 2357459 A1	24-10-2002
			JP 2002315503 A	29-10-2002
			US 2004062820 A1	01-04-2004
			US 2003026860 A1	06-02-2003
US 5709888	A	20-01-1998	ES 2033193 A1	01-03-1993
			AU 678096 B2	15-05-1997
			AU 1488395 A	25-05-1995
			AU 8684791 A	07-05-1992
			CA 2054409 A1	01-05-1992
			EP 0484266 A2	06-05-1992
			IE 913687 A1	22-05-1992
			IL 99854 A	23-07-1996
			JP 3113015 B2	27-11-2000
			JP 5304927 A	19-11-1993
			MA 22333 A1	01-07-1992
			MX 9101729 A1	05-06-1992
			NZ 240346 A	25-03-1994
			PT 99359 A	30-09-1992
			ZA 9108443 A	29-07-1992
EP 1062873	A1	27-12-2000	AU 771010 B2	11-03-2004
			AU 3242001 A	18-06-2001
			BR 0016341 A	27-08-2002
			CA 2393269 A1	14-06-2001
			CN 1409603 T	09-04-2003
			CZ 20022012 A3	16-10-2002
			EP 1237419 A1	11-09-2002
			HU 0203736 A2	28-03-2003
			JP 2003515354 T	07-05-2003
			MX PA02005851 A	14-10-2003
			WO 0141581 A1	14-06-2001
			NO 20022751 A	12-08-2002
			NZ 519513 A	30-07-2004
			PL 355943 A1	31-05-2004
			SK 8512002 A3	03-12-2002
			US 2003072865 A1	17-04-2003
			ZA 200204504 A	05-06-2003